

FIG. 1

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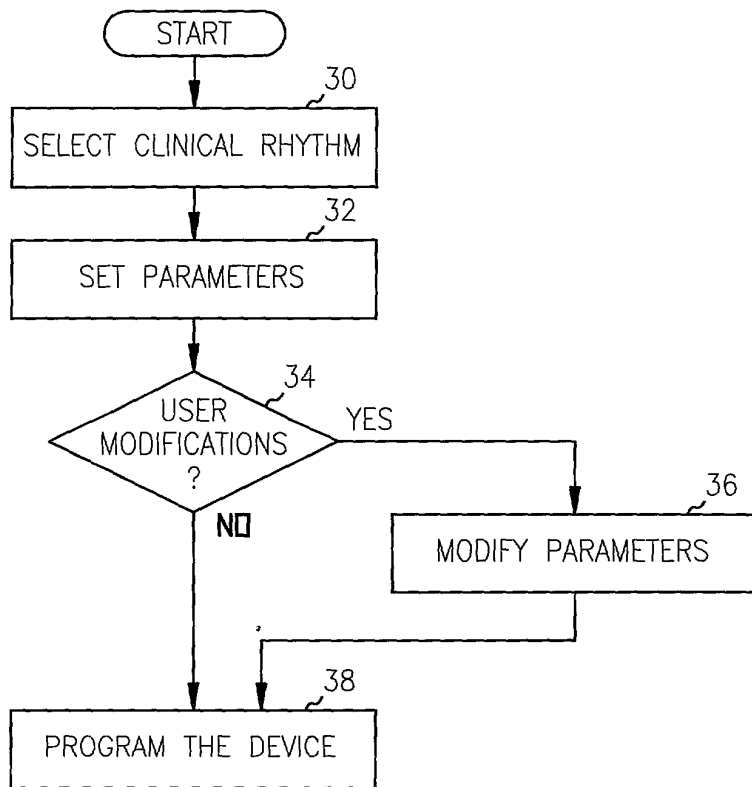


FIG. 2

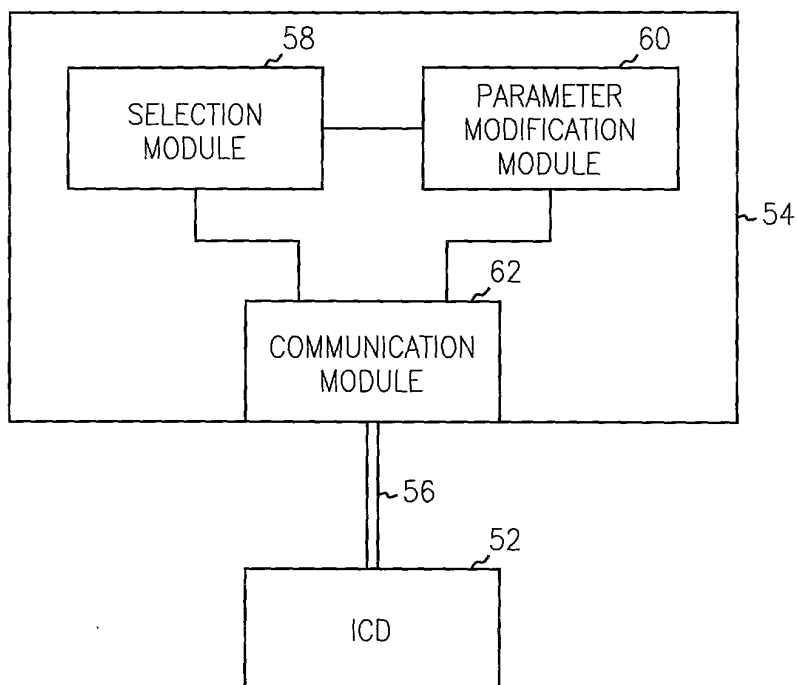


FIG. 3

FIG. 4

	VT-1 ZONE	VT ZONE	VF ZONE
1-ZONE CONFIGURATION	NONE		
2-ZONE CONFIGURATION		V RATE > A RATE AFIB RATE THRESHOLD STABILITY ONSET SRD SHOCK IF UNSTABLE ^a	NONE
3-ZONE CONFIGURATION	V RATE > A RATE AFIB RATE THRESHOLD STABILITY ONSET SRD	SHOCK IF UNSTABLE	NONE

^a. SHOCK IF UNSTABLE CANNOT BE PROGRAMMED ON IN THE SAME ZONE AS OTHER DETECTION ENHANCEMENTS THAT ARE PROGRAMMED TO INHIBIT THERAPY (ONSET, STABILITY, AND AFIB RATE THRESHOLD)

FIG. 5

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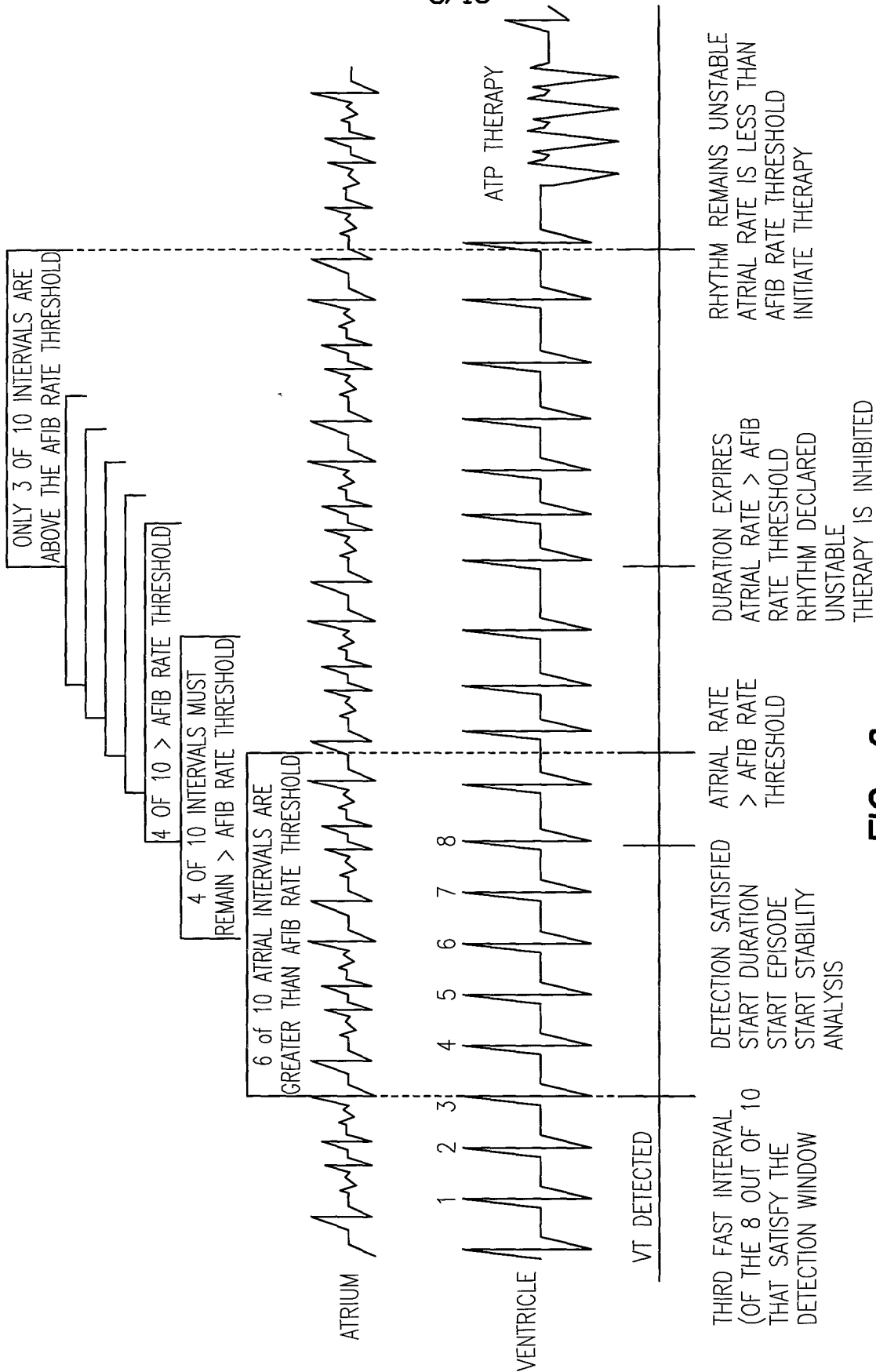


FIG. 6

DETECTED RHYTHM	AFIB RATE THRESHOLD WITH STABILITY
GRADUAL, UNSTABLE A > AFIB RATE THRESHOLD	INHIBIT UNTIL V > A OR SRD (IF ON)
GRADUAL, UNSTABLE A < AFIB RATE THRESHOLD	INHIBIT UNTIL V > A OR SRD (IF ON)
SUDDEN, UNSTABLE A > AFIB RATE THRESHOLD	INHIBIT UNTIL STABLE, V > A OR SRD (IF ON)
SUDDEN, UNSTABLE A < AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION ^a
GRADUAL, STABLE A > AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION ^b
GRADUAL, STABLE A < AFIB RATE THRESHOLD	INHIBIT UNTIL V > A OR SRD (IF ON)
SUDDEN, STABLE A > AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION
SUDDEN, STABLE A < AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION

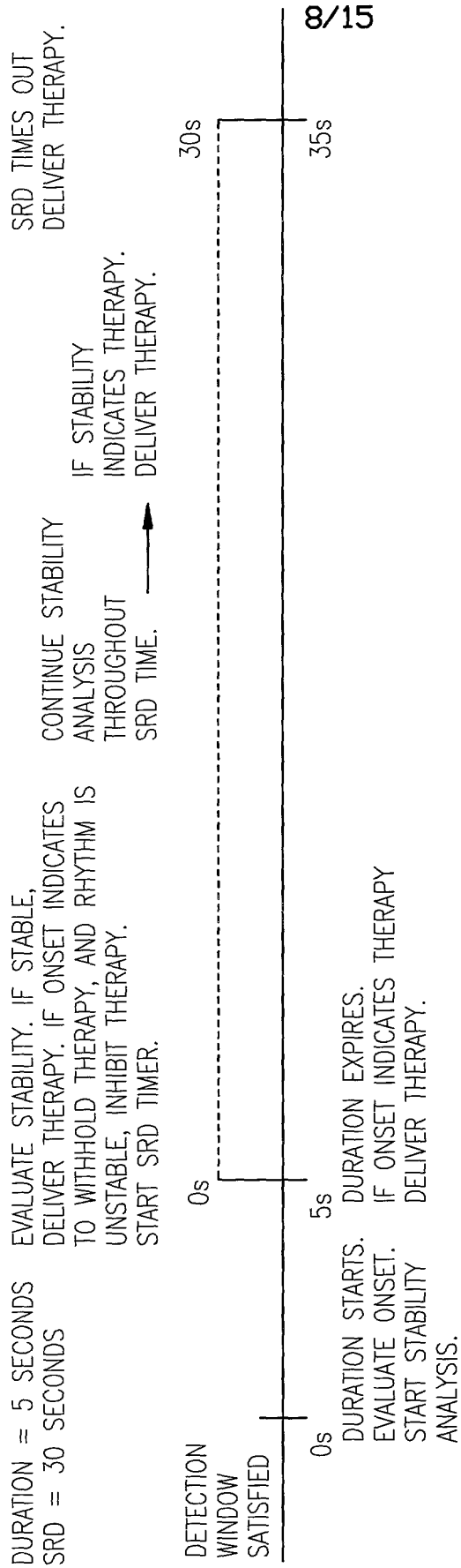
- a. IF V RATE > A RATE IS PROGRAMMED ON AND IS FALSE, THEN THERAPY WILL BE INHIBITED IF THE RHYTHM IS UNSTABLE
- b. IF V RATE > A RATE IS PROGRAMMED ON AND IS FALSE, THERAPY WILL STILL BE INITIATED BECAUSE THE RHYTHM IS DECLARED STABLE

FIG. 7

DETECTED RHYTHM	POSSIBLE COMBINATIONS	POSSIBLE COMBINATIONS
	ONSET AND STABILITY ^a	ONSET OR STABILITY
GRADUAL, UNSTABLE	INHIBIT UNTIL $V > A$ OR SRD (IF ON)	INHIBIT UNTIL RHYTHM BECOMES STABLE, $V > A$, OR SRD (IF ON)
GRADUAL, STABLE	INHIBIT UNTIL $V > A$ OR SRD (IF ON)	TREAT IMMEDIATELY AT END OF DURATION
SUDDEN, UNSTABLE	INHIBIT UNTIL RHYTHM BECOMES STABLE, OR $V > A$, OR SRD (IF ON)	TREAT IMMEDIATELY AT END OF DURATION
SUDDEN, STABLE	TREAT IMMEDIATELY AT END OF DURATION	TREAT IMMEDIATELY AT END OF DURATION

^a. THE AND COMBINATION IS THE NOMINAL SETTING WHEN BOTH ARE ENABLED

FIG. 8



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FIG. 9

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VT-1 Detection Enhancements

Initial	Present	Change	Redetection	Present	Change
V Rate > A Rate	On		Post-Shock	On	
A Fib Rate Threshold	Off		V Rate > A Rate	10	
Stability	10		A Fib Rate Threshold	9	
And		Or	Stability	0:30	
Onset	9%		Sustained Rate Duration		
Sustained Rate Duration	0:30				

bpm
ms
m:s

bpm
ms
m:s

[Cancel Changes] [Close]

FIG. 10

	RHYTHM DISCRIMINATION AVAILABLE PER ZONE		
	VT-1 ZONE	VT ZONE	VF ZONE
3-ZONE CONFIGURATION	ATRIAL TACHYARRHYTHMIA SINUS TACHYCARDIA	POLYMORPHIC VT	NONE
2-ZONE CONFIGURATION		ATRIAL TACHYARRHYTHMIA SINUS TACHYCARDIA OR POLYMORPHIC VT	NONE

FIG. 11

PARAMETER	ATRIAL TACHYARRHYTHMIA	SINUS TACHYCARDIA	POLYMORPHIC VT
V > A	ON	ON	
A FIB RATE THRESHOLD	200 MIN ⁻¹		
STABILITY (INHIBIT)	10 ms		
ONSET (INITIAL DETECTION ONLY)		9 %	
SRD INITIAL REDETECTION	0:30 MINUTES:SECONDS 0:15 MINUTES:SECONDS	0:30 MINUTES:SECONDS	
SHOCK IF UNSTABLE			30 MS

FIG. 12

PARAMETER	ATRIAL TACHYARRHYTHMIA	SINUS TACHYCARDIA	POLYMORPHIC VT
STABILITY (INHIBIT)	30 ms		
ONSET (INITIAL DETECTION ONLY)		9 %	
SRD INITIAL REDETECTION	0:30 MINUTES:SECONDS 0:15 MINUTES:SECONDS	0:30 MINUTES:SECONDS	
SHOCK IF UNSTABLE			30 MS

FIG. 13

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VT-1 Detection

Initial	Present	Change	Redetection	Present	Change
Rate	160	145 bpm	Redetection Duration	1.0	sec
Interval	375	415 ms	Post-shock Duration	1.0	sec
Duration	2.5	sec			

☒ Detection Enhancements

☒ Atrial Tachyarrhythmia Discrimination

☒ Sinus Tachycardia Discrimination

Present

Change

Cancel Changes

FIG. 14

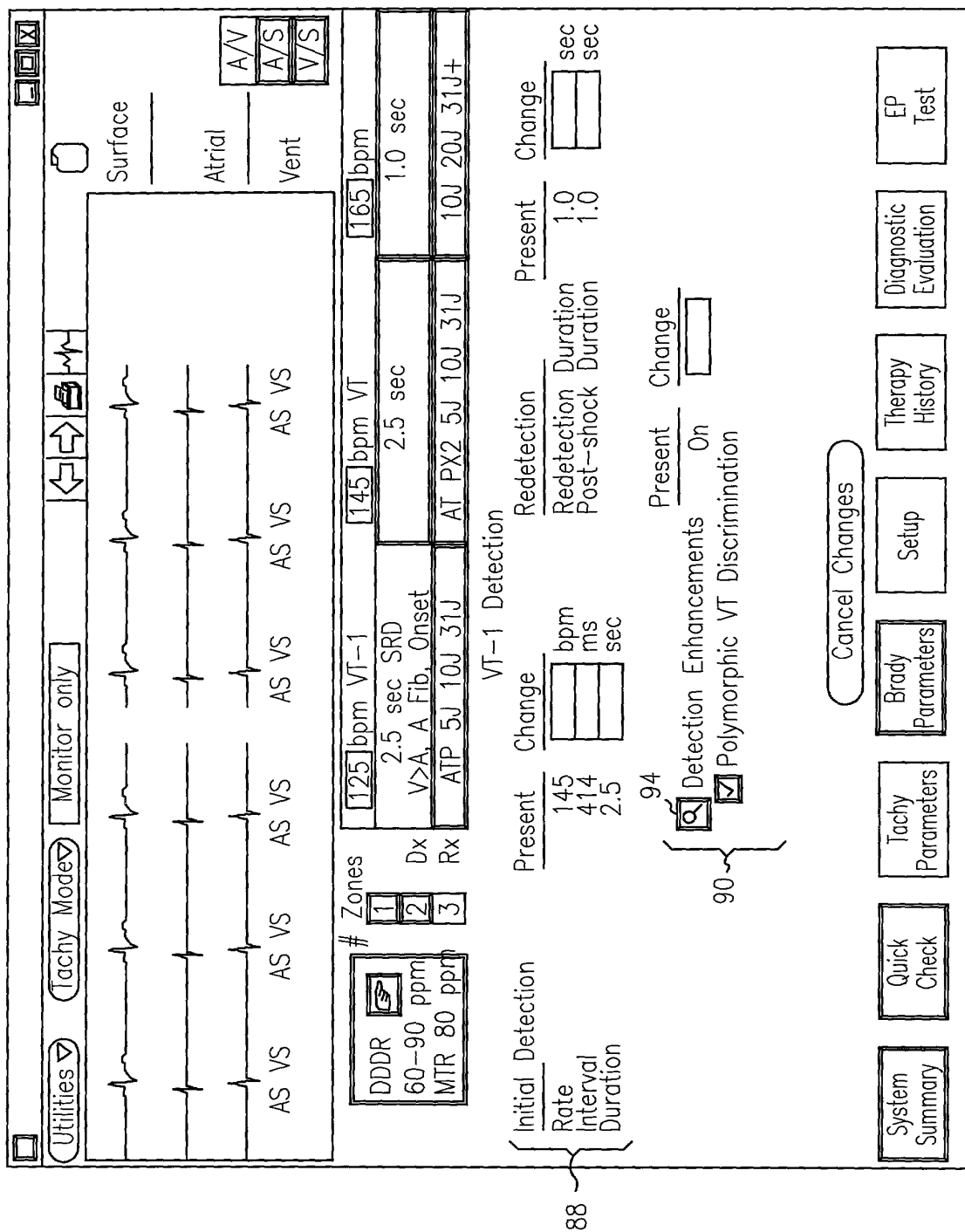


FIG. 15

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VT Detection Enhancements

Initial
Shock if Unstable

Present
10

Change
ms

Cancel Changes

Close

FIG. 16